

‘Honest Tea’ bottle cap philosophy:

**“If at first the idea is not absurd,
then there is no hope for it”**

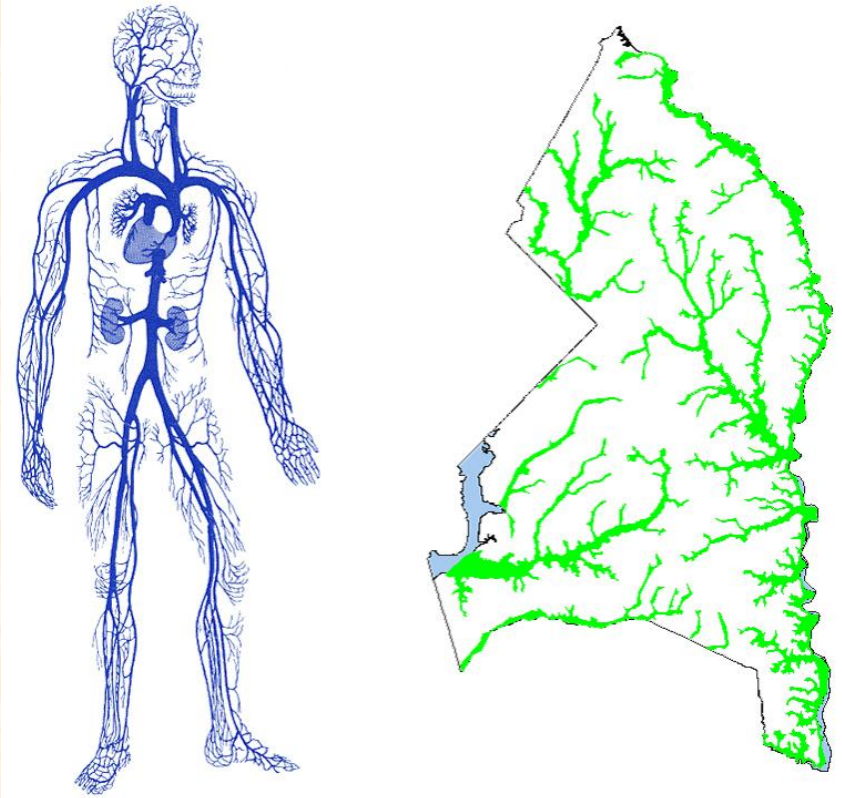
- Albert Einstein

Green Infrastructure

**An area's natural landscape—
mountains, forestlands,
wetlands, stream valleys—and the
connections
between them.**

*“An interconnected network of natural
areas and other
open spaces that conserves natural
ecosystem values and
functions, sustains clean air and water,
and provides a
wide array of benefits to people and
wildlife.”*

-Conservation Fund



Healthy systems require
a network of vital connections

Green Infrastructure

1. Lands that support natural ecosystem functions and values

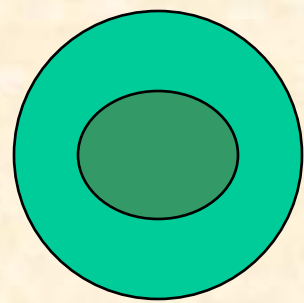
- **ecological communities & other natural resources**
(forests, wetlands)
- **fish/wildlife resources** (habitat)
- **watershed/water resources**
(aquifer recharge, water quality protection)

Green Infrastructure

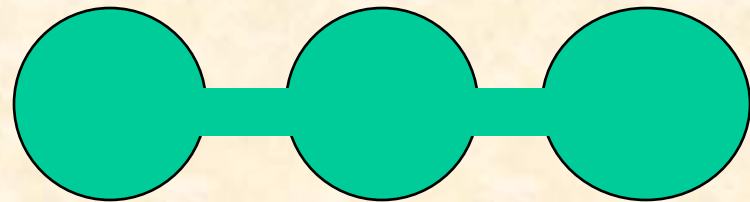
2. Lands that provide associated benefits for human populations

- **recreation**
(parks, greenways, trails)
- **growth patterns and character**
(greenbelts, commons, viewsheds)
- **working lands with economic value**
(timber harvesting, tourism—fishing, camping)

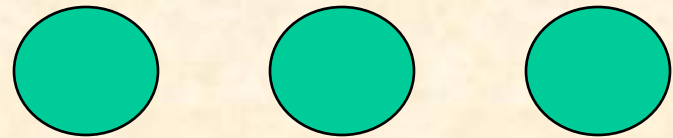
Conservation Biology Principles



**Bigger hubs with
core, interior habitat
vs. no core w/ ‘edge’**



connections vs. isolated patches



Gray Infrastructure



Green Infrastructure



Gray Infrastructure and Green Infrastructure

Both Require:

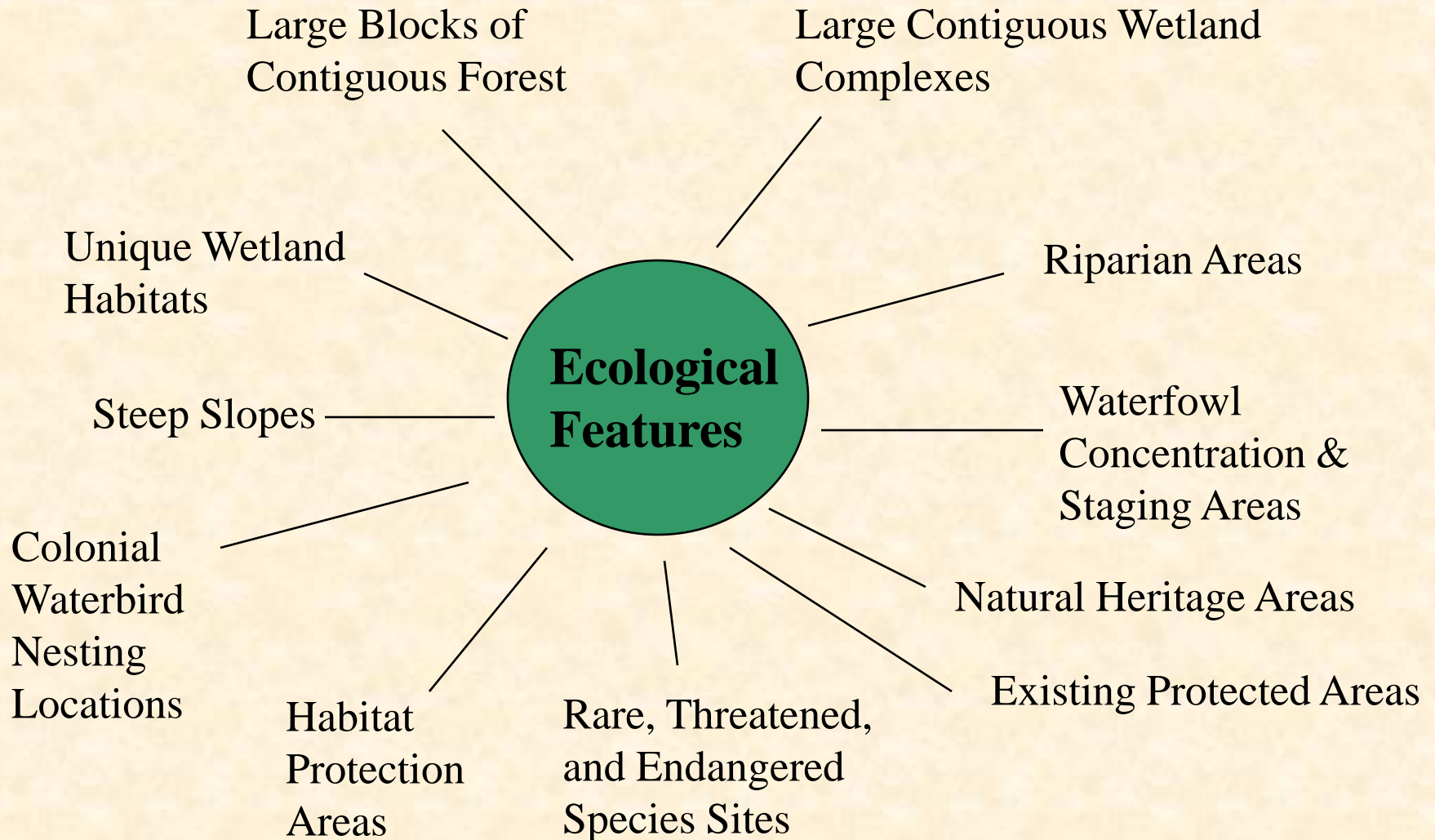
- *Strategic planning* to ensure optimal/functional systems
- *Financing* for design and maintenance
- *Management* to maintain services & maximize benefits



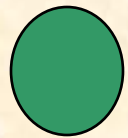
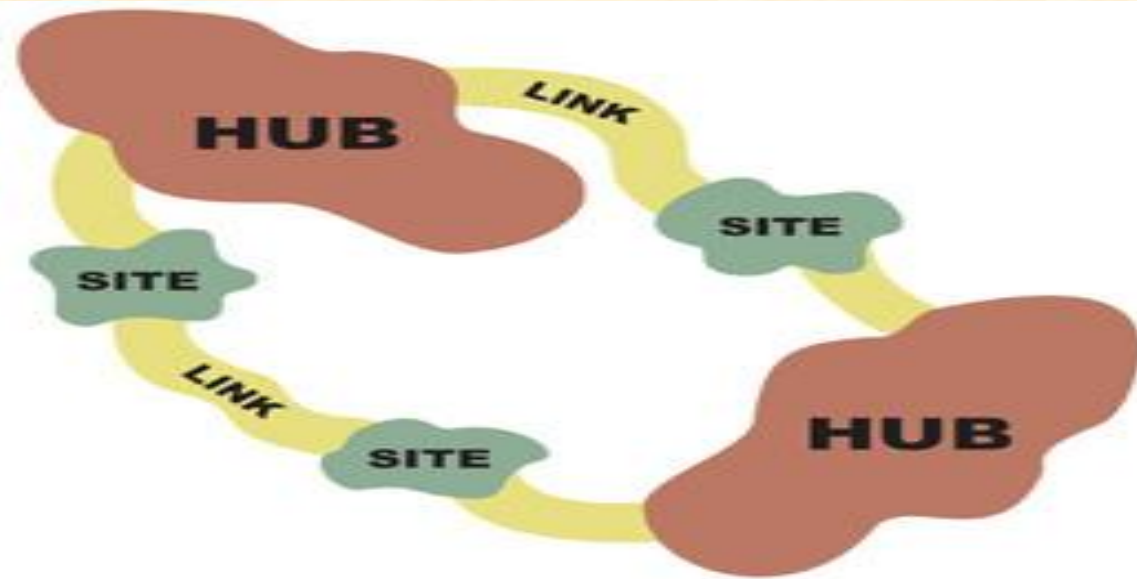
Ideally Are:

- *Planned simultaneously* before development
- *Given equal priority* in the planning process
- *Planned* as complimentary systems
- *Given equal attention* in the funding process

Maryland's Green Infrastructure Network Components



Green Infrastructure Network



Hubs – anchor the system



Corridors – tie the system together

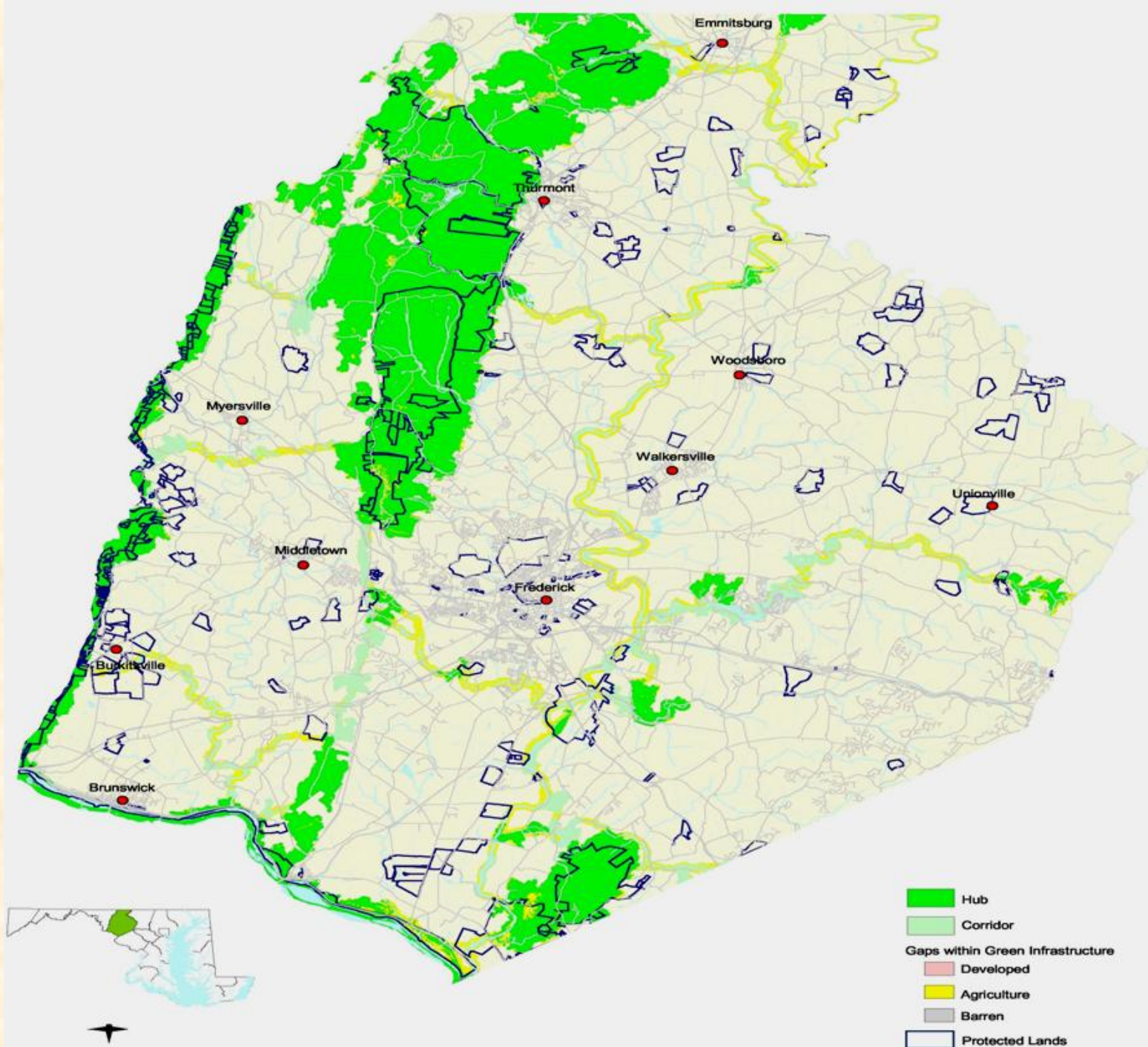


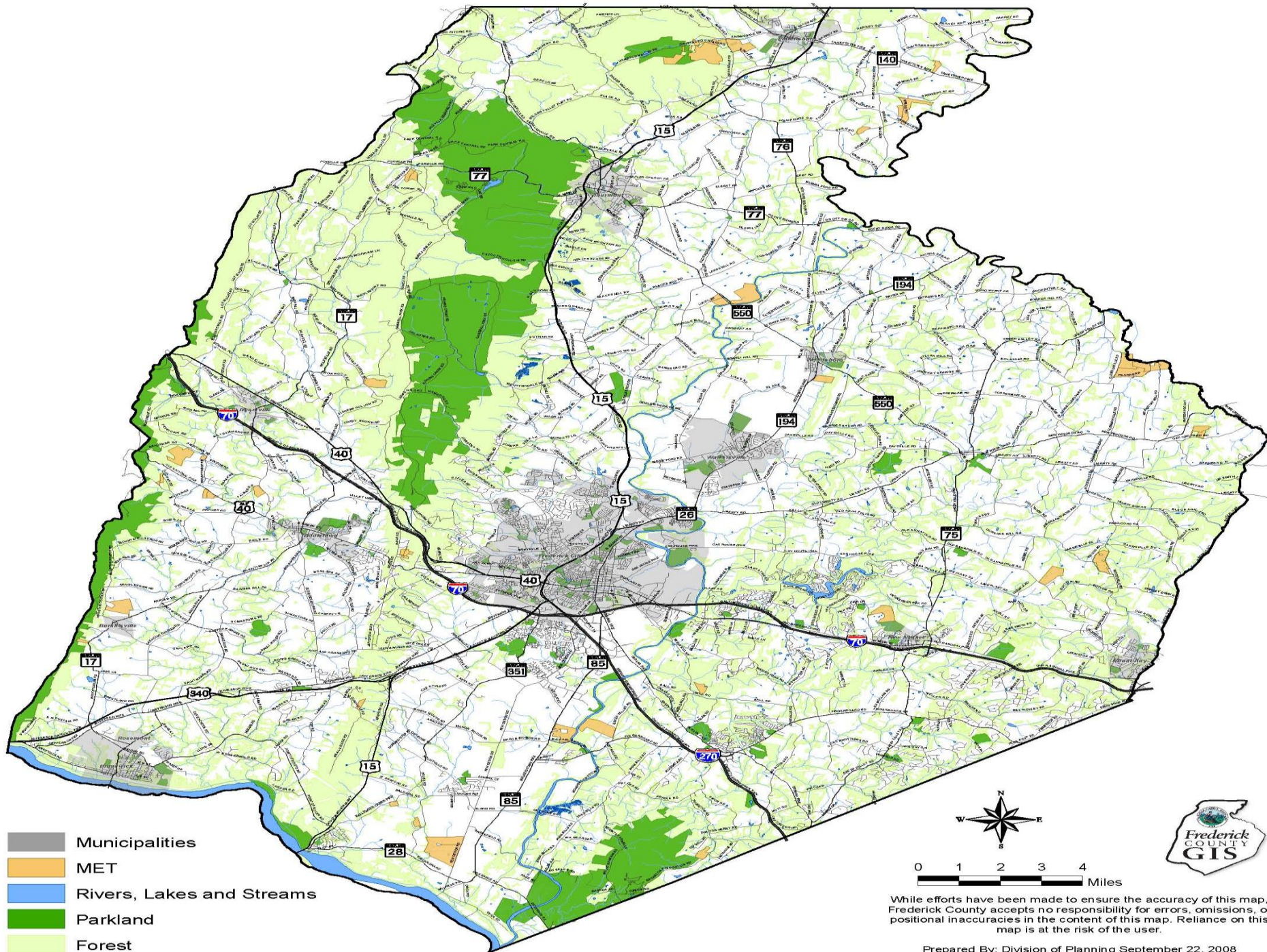
Sites – smaller areas, may not be attached

Lands – public, private, non-profit

Scales – site level, community, countywide, statewide, regional

Landscapes – wild, rural, suburban, urban





Green Infrastructure

- Planning Commission's Recommended Comprehensive Plan contains a basic framework of GI and its incorporation into Frederick County planning & other operations.**
- The Planning Commission's Recommended Plan also includes an Action Item to create a functional GI Master Plan for Frederick County**

Framework for Frederick County's Green Infrastructure Plan

Goals/Objectives

- Identify the existing and desired contiguous, Countywide network of significant natural resources and gaps in the network**
- Identify and recommend effective implementation mechanisms to preserve, protect, enhance and restore this network**
- Facilitate a more streamlined and environmentally effective review and mitigation process for all private and public development projects**
- Become a tool to analyze and create recommendations for future Comprehensive Plan updates, Corridors & Community Plans, and requests for rezoning**

Framework for Frederick County's Green Infrastructure Plan

Goals/Objectives (con't)

- Compliment and expand state and county natural resource conservation goals as expressed in the County's Land Preservation, Parks and Recreation Plan**
- Support the desired development pattern of the County in the Comprehensive Plan and to facilitate Smart Growth**
- Help realize the environmental goals in the Countywide Comprehensive Plan**
- Provide a land use planning-based tool to help meet water quality improvements mandated by the CWA and TMDLs**